

WHAT IS CLAIMED IS

1. An underground broadcasting system characterized in that broadcast information is broadcasted in an underground structure by the use of modulation on the basis of OFDM at the same base band frequency.

2. The underground broadcasting system as claimed in claim 1 characterized in that said underground structure is a network of underground railways.

3. An underground broadcasting system comprising:

an information delivering system for delivering broadcast information to a transmitter apparatus;

a plurality of transmitter apparatuses for modulating the broadcast information as delivered from said information delivering system on carriers as modulated in accordance with an OFDM modulation at the same base band frequency and transmitting the broadcast information on said carriers; and

a receiver apparatus for receiving the broadcast information as transmitted on said carriers as modulated by the OFDM modulation, demodulating said broadcast information in order to obtain and output the broadcast information as reproduced.

4. The underground broadcasting system as claimed in claim 3 characterized in that transmitter antenna and a receiver antenna are arranged in the underground structure in order to receive and transmit the broadcast information on said carriers as modulated by the OFDM modulation.

5. The underground broadcasting system as claimed in claim 4 characterized in that said information delivering system and said transmitter apparatus are linked with each other by an optical fiber network.

6. The underground broadcasting system as claimed in claim 5 characterized in that said receiver apparatus is a mobile receiver terminal.

5 7. The underground broadcasting system as claimed in claim 6 characterized in that said underground structure is a network of underground railways.

8. The underground broadcasting system as claimed in claim 5 characterized in that said underground structure is a network of underground railways.

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9. The underground broadcasting system as claimed in claim 4 characterized in that said receiver apparatus is a mobile receiver terminal.

10. The underground broadcasting system as claimed in claim 9 characterized in that said underground structure is a network of underground railways.

11. The underground broadcasting system as claimed in claim 4 characterized in that said underground structure is a network of underground railways.

12. The underground broadcasting system as claimed in claim 3 characterized in that said information delivering system and said transmitter apparatus are linked with each other by an optical fiber network.

13. The underground broadcasting system as claimed in claim 12 characterized in that said receiver apparatus is a mobile receiver terminal.

14. The underground broadcasting system as claimed in claim 13 characterized in that said underground structure is a network of underground railways.

15. The underground broadcasting system as claimed in claim 12 characterized in that said underground structure is a network of underground railways.

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16. The underground broadcasting system as claimed in claim 3 characterized in that said receiver apparatus is a mobile receiver terminal.

17. The underground broadcasting system as claimed in claim 16
10 characterized in that said underground structure is a network of underground railways.

18. The underground broadcasting system as claimed in claim 3 characterized in that said underground structure is a network of underground railways.

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